

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently amended) A heating induction apparatus for controlling the welding parameter of temperature for a section of metal piping, which heating apparatus is comprised of:  
  
a pair of opposed heating collars spaced substantially parallel and contiguous with a weld joint, each heating collar comprising a resistance wire network which is capable of creating a thermal resistance through the network when voltage is applied across the wire, an inner core which is contiguous with the piping and absorbs the thermal heat energy from the network and transfers it to the piping, each heating collar further comprising a protective layer, said protective layer providing a protective outer covering for supporting and protecting said heating collar from the external environment, said protective layer further comprising fastening means for securing each collar securely around the piping; and  
  
a thermostatic control mechanism comprising a means for controlling the voltage applied across the network;  
  
wherein the thermostatic control mechanism controls the voltage and modulates the voltage applied across the network thereby controlling the quantity of thermal energy transferred between the inner core and the metal piping.

2. (Currently amended) The heating collar apparatus, as claimed in claim 1, which wherein each heating collar is further comprised of an inner core for absorbing thermal energy from the network, said inner core transfers thermal energy to the

piping.

3. (Currently amended) The heating collar apparatus, as claimed in claim 2, which  
wherein each heating collar is further comprised of a heat transfer element, said  
heat transfer element is contiguous with the inner core and transfers thermal energy  
between the inner core and the piping.
4. (Currently amended) The heating collar apparatus, as claimed in claim 3, which  
wherein each heating collar is further comprised of an outer cover, said outer cover  
provides a thermally conductive heat transfer substrate for transferring thermal  
energy from the inner core to the piping.
5. (Currently amended) The heating collar apparatus, as claimed in claim 4, which  
wherein each heating collar is further comprised of an insulating layer, said  
insulating layer provides a heat insulating layer for protecting the hands of the  
welding operator from direct thermal contact with the heat transfer element.
6. (Cancelled)
7. (Currently amended) The thermostatic control mechanism heating apparatus, as  
claimed in claim [[6]] 1, which wherein the thermostatic control mechanism is further  
comprised of a voltage input plug.
8. (Currently amended) The thermostatic control mechanism heating apparatus, as  
claimed in claim 7, wherein the voltage input plug receives voltage from a power

source of 110 volts.

9. (Cancelled)

10. (Currently amended) The heating apparatus, as claimed in claim [[9]] 1, wherein the fastening means is comprised of both a first end and a second end on the protective layer.

11. (Currently amended) The fastening means heating apparatus, as claimed in claim 10, wherein the first end is comprised of a Velcro tab secured to a distal end of the protective layer, and a second end secured to a proximal end of the protective layer, said second end is comprised of a Velcro receiving end for receiving the Velcro tab of the distal end for fastening the heating apparatus around the circumference of the piping.